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National Agricultural Statistics Service

# Keystone Ag Digest



Cooperating with the Pennsylvania Department of Agriculture

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This publication may be found on the Internet at <a href="http://www.nass.usda.gov/pa">www.nass.usda.gov/pa</a> and click on "Pennsylvania Publications."			

## MILK PRODUCTION

Milk production in Pennsylvania during December 2010 totaled 889 million pounds, 1.8 percent above last December's production of 873 million pounds. The number of milk cows in the state during the month averaged 542,000 head, an increase of 1,000 from November 2010, and 3,000 more than December 2009. Production per cow averaged 1,640 pounds in December, up 40 pounds from November's production per cow and 20 pounds more than December 2009 of 1,620 pounds. Milk production in the 23 states surveyed during December 2010 totaled 15.0 billion pounds, up 2.8 percent from December 2009. November production, unrevised at 14.4 billion pounds, was up 3.1 percent from November 2009. Production per cow in the 23 major states averaged 1,794 pounds for December, 33 pounds above December 2009. The number of milk cows on farms in the 23 major states was 8.39 million head, 74,000 head more than December 2009 and 15,000 head more than November 2010.

SOURCE: **Milk Production**, 3:00 p.m., January 19, 2011, National Agricultural Statistics Service, USDA; available at [www.nass.usda.gov](http://www.nass.usda.gov).

## DAIRY PRODUCTS

United States' butter production was 133 million pounds, 9.8 percent above November 2009 and 9.2 percent above October 2010. Total cheese output (excluding cottage cheese) was 890 million pounds, 6.0 percent above November 2009 but 0.3 percent below October 2010. Italian type cheese production totaled 381 million pounds, 6.1 percent above November 2009 and 3.1 percent above October 2010. American type cheese production totaled 35064 million pounds, 5.6 percent above November 2009 but 3.5 below October 2010. Frozen products (comparisons with November 2009): ice cream, regular (hard) --- 51.9 million gallons, down 2.2 percent; ice cream, lowfat (total) --- 25.3 million gallons, up 6.2 percent; sherbet (hard) --- 2.69 million gallons, up 4.7 percent; frozen yogurt (total) --- 4.01 million gallons, down 13.7 percent.

SOURCE: **Dairy Products**, 3:00 p.m., January 3, 2011, National Agricultural Statistics Service, USDA; available at [www.nass.usda.gov](http://www.nass.usda.gov).

## PRODUCTION OF SELECTED DAIRY PRODUCTS

Product	Nov 2009	Oct 2010	Nov 2010
000 Lbs.			
<b>PENNSYLVANIA</b>			
Butter .....	6,758	<sup>1</sup>	<sup>1</sup>
Ice Cream .....	2,641	2,882	2,691
<b>UNITED STATES</b>			
Butter .....	120,967	121,610	132,804
Cheese:			
American Types .....	331,593	363,022	350,261
Brick and Muenster .....	10,609	10,560	10,685
Cream and Neufchatel .....	73,066	75,808	72,987
Mozzarella .....	279,105	292,007	299,748
Swiss .....	27,133	29,823	27,854
Total Cheese .....	839,532	891,852	889,559
Sour Cream .....	108,446	101,306	115,538
Yogurt, Plain & Flavored .....	271,793	339,803	318,765
000 Gal.			
Frozen Products			
Ice Cream, Regular, Hard....	53,003	61,146	51,851
Ice Cream, Lowfat, Total .....	23,855	27,934	25,340
Ice Cream, Nonfat, Hard .....	656	1,029	736
Sherbet, Hard .....	2,572	3,001	2,693
Frozen Yogurt, Total .....	4,647	4,488	4,011
Mix for Frozen Products			
Ice Cream Mix .....	28,358	34,617	29,901
Ice Cream, Lowfat, Mix .....	13,850	15,992	14,493
Ice Cream, Nonfat, Mix .....	411	605	441
Sherbet Mix .....	1,599	1,991	1,771
Yogurt Mix .....	2,434	2,720	2,431

<sup>1</sup> Estimate not published to avoid disclosure.

SOURCE: **Dairy Products**, 3:00 p.m., January 3, 2011, National Agricultural Statistics Service, USDA; available at [www.nass.usda.gov](http://www.nass.usda.gov).

## MILK COWS AND MILK PRODUCTION

Item	Unit	Pennsylvania			23 States		
		December 2009	November 2010	December 2010	December 2009	November 2010	December 2010
Milk Cows .....	Thous.	539	541	542	8,311	8,370	8,385
Milk Per Cow .....	Lbs.	1,620	1,600	1,640	1,761	1,723	1,794
Milk Production .....	Mil. Lbs.	873	866	889	14,632	14,419	15,042

SOURCE: **Milk Production**, 3:00 p.m., January 19, 2011, National Agricultural Statistics Service, USDA; available at [www.nass.usda.gov](http://www.nass.usda.gov).

# ANNUAL SUMMARY OF FIELD CROPS

Crop	Year	Pennsylvania				United States				Unit
		Acreage (000)		Production		Acreage (000)		Production		
		Planted	Harvested	Per Acre	(000)	Planted	Harvested	Per Acre	(000)	
Corn .....	2008	1,350	880 <sup>1</sup>	133.0	117,040	85,982	78,570 <sup>1</sup>	153.9	12,091,648	Bu.
	2009	1,350	920 <sup>1</sup>	143.0	131,560	86,382	79,490 <sup>1</sup>	164.7	13,091,862	Bu.
	2010	1,350	910 <sup>1</sup>	128.0	116,480	88,192	81,446 <sup>1</sup>	152.8	12,446,865	Bu.
Wheat, Winter .....	2008	195	185	64.0	11,840	46,307	39,608	47.1	1,867,333	Bu.
	2009	190	175	56.0	9,800	43,346	34,510	44.2	1,524,608	Bu.
	2010	165	150	59.0	8,850	37,335	31,749	46.8	1,485,236	Bu.
Oats .....	2008	105	80	58.0	4,640	3,247	1,400	63.7	89,135	Bu.
	2009	110	80	61.0	4,880	3,404	1,379	67.5	93,081	Bu.
	2010	110	80	59.0	4,720	3,138	1,263	64.3	81,190	Bu.
Barley.....	2008	60	55	75.0	4,125	4,246	3,779	63.6	240,193	Bu.
	2009	60	45	75.0	3,375	3,567	3,113	73.0	227,323	Bu.
	2010	60	45	75.0	3,375	2,872	2,465	73.1	180,268	Bu.
Sorghum .....	2008	11	3 <sup>2</sup>	37.0	111	8,284	7,271 <sup>2</sup>	65.0	472,342	Bu.
	2009	<sup>3</sup>	<sup>3</sup>	<sup>3</sup>	<sup>3</sup>	6,633	5,520 <sup>2</sup>	69.4	382,983	Bu.
	2010	<sup>3</sup>	<sup>3</sup>	<sup>3</sup>	<sup>3</sup>	5,404	4,808 <sup>2</sup>	71.8	345,395	Bu.
Soybeans .....	2008	435	430	40.0	17,200	75,718	74,681	39.7	2,967,007	Bu.
	2009	450	445	46.0	20,470	77,451	76,372	44.0	3,359,011	Bu.
	2010	500	495	42.0	20,790	77,404	76,616	43.5	3,329,341	Bu.
Hay, All.....	2008	-	1,750	2.18	3,810	-	60,152	2.43	146,270	Ton
	2009	-	1,550	2.36	3,655	-	59,775	2.47	147,700	Ton
	2010	-	1,500	2.27	3,400	-	59,862	2.43	145,556	Ton
Hay, Alfalfa.....	2008	-	550	3.00	1,650	-	21,060	3.33	70,180	Ton
	2009	-	500	2.90	1,450	-	21,247	3.35	71,072	Ton
	2010	-	500	2.60	1,300	-	19,956	3.40	67,903	Ton
Tobacco, All .....	2008	-	7.9	2,232	17,630	-	354.5	2,258	800,504	Lbs.
	2009	-	8.2	2,276	18,660	-	354.0	2,323	822,581	Lbs.
	2010	-	8.5	2,349	19,965	-	337.5	2,133	719,786	Lbs.
Potatoes, Fall .....	2008	10.0	9.5	265	2,518	931.1	922.0	411	378,588	Cwt.
	2009	10.0	9.5	310	2,945	936.7	917.2	429	393,544	Cwt.
	2010	9.5	9.0	245	2,205	893.7	881.3	409	360,727	Cwt.

<sup>1</sup> Corn for grain, remainder of planted acres for silage and other uses. <sup>2</sup> Sorghum for grain, remainder of planted acres for silage and other uses.

<sup>3</sup> Sorghum estimates were discontinued in 2009.

SOURCE: **Crop Production 2010 Summary**, 8:30 a.m., January 12, 2011, National Agricultural Statistics Service, USDA; available at [www.nass.usda.gov](http://www.nass.usda.gov).

## CROP PRODUCTION

Based on year end acreage and yield data, production of most major field crops showed a decrease from last year. Corn for grain and silage, oats, winter wheat, dry hay, all forage, and fall potatoes had lower production in 2010 than in 2009. Production of barley in Pennsylvania remained unchanged. Production of both soybeans and tobacco increased over last year's production.

Corn for grain production totaled 116.5 million bushels, down 11 percent from last year's production. Corn acres harvested for grain was estimated at 910,000 and the average yield was 128 bushels per acre, down 15 bushels from 2009. Corn for silage production at 7.2 million tons, was down 12 percent from production in 2009. Acres harvested for silage totaled 400,000, down 5 percent from 2009. Silage yield was 18.0 tons per acre, down 1.5 tons per acre from the 2009 yield.

Alfalfa dry hay production was 1.3 million tons, 10 percent below last year's production. Acres harvested were 500,000, unchanged from last year, with an average yield of 2.6 tons per acre. Alfalfa haylage and greenchop production was 1.6 million tons (green weight), 36 percent below last year's production. Acres harvested were 285,000, with an average yield of 5.6 tons per acre. All alfalfa forage production was 2.09 million tons (dry weight equivalent), 22 percent below last year's production. Alfalfa acres newly seeded in 2010 for crop production in 2011 totaled 95,000 acres, down 5,000 acres from a year ago. All other dry hay acres harvested totaled 1,000,000 acres, a decrease of 50,000 acres from last year, with a yield of 2.10 tons per

acre for a total production of 2.1million tons, down 5 percent from last year. Total forage production on a dry equivalent basis was 4.44 million tons, 15 percent below last year's production. Forage was harvested from 1.7 million acres, down 6 percent from last year. Average forage yield per acre in 2010 was 2.61 dry tons, compared to 2.89 dry tons a year ago.

Oat production was 4.72 million bushels, 3 percent below last year's production. Harvested acres totaled 80,000, unchanged from last year. The yield was 59 bushels per acre, 2 bushels below last year. Production of winter wheat was 8.9 million bushels, 10 percent below 2009's crop. Harvested acres totaled 150,000, with a yield of 59 bushels per acre, 3 bushels per acre more than last year. Barley production was 3.38 million bushels, unchanged from 2009. Acreage harvested was 45,000 with an average yield per acre of 75 bushels, unchanged from a year ago.

Soybean production, at 20.8 million bushels, was 2 percent above last year's production. Acreage harvested was 495,000, a 50,000 acre increase from 2009. The 2010 yield was 42 bushels per acre, 4 bushels per acre less than a year ago.

SOURCE: **Crop Production 2010 Summary**, 8:30 a.m., January 12, 2011, National Agricultural Statistics Service, USDA; available at [www.nass.usda.gov](http://www.nass.usda.gov).

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## CROP PRODUCTION, CONTINUED

Fall potato production, at 2.21 million hundredweight (cwt.), was down 25 percent from last year's production. Acres harvested were 500 less than last year at 9,000. The yield of 245 cwt. per acre was down 65 cwt. from last year's yield.

Pennsylvania burley tobacco production totaled 10.1 million pounds, up 7 percent from a year ago. Acreage for harvest was 4,200, compared to 4,100 a year ago. Average yield per acre was 2,400 pounds, up 100 pounds from last year. Southern Maryland type tobacco production totaled 4.95 million pounds, 2 percent more than last year. Harvested acreage was 2,200, up 100 acres from 2009. Pennsylvania seedleaf-type tobacco production totaled 4.94 million pounds, 12 percent more than last year. Harvested acreage was 2,100, 100 acres more than last year. The average yield of 2,350 pounds per acre was 7 percent above 2009.

At the **United States** level, corn for grain production is estimated at 12.4 billion bushels, down 1 percent from the November 1 forecast and 5 percent below the record high production of 13.1 billion bushels set in 2009. U.S. grain yield for 2010 is estimated at 152.8 bushels per acre. This is down 1.5 bushels from the November forecast and 11.9 bushels below the record high yield of 164.7 bushels per acre set in

2009. Area harvested for grain is estimated at 81.4 million acres, up slightly from the November forecast and up 2 percent from 2009.

Soybean production in 2010 totaled 3.33 billion bushels, down 1 percent from the November 1 forecast and down 1 percent from 2009. U.S. production is the second largest on record. The average yield per acre is estimated at 43.5 bushels, 0.4 bushel below the November 1 forecast and 0.5 bushel below last year's record high yield. Harvested area is up slightly from 2009 to a record high 76.6 million acres.

Production of other major crops and changes from the previous year are as follows: corn for silage, 107.3 million tons, down 1 percent; dry alfalfa hay, 67.9 million tons, down 4 percent; other dry hay, 77.7 million tons, up 1 percent from 2009; oats, 81.2 million bushels, down 13 percent; winter wheat, 1.49 billion bushels, down 3 percent; barley 180.3 million bushels, down 21 percent; all potatoes, 397.1 million cwt., down 8 percent; all tobacco, 720 million pounds, down 12 percent; and maple syrup 1.96 million gallons, down 19 percent.

SOURCE: **Crop Production 2010 Summary**, 8:30 a.m., January 12, 2011, National Agricultural Statistics Service, USDA; available at [www.nass.usda.gov](http://www.nass.usda.gov).

### **PENNSYLVANIA & UNITED STATES: GRAIN STOCKS - DECEMBER 1, 2010 WITH COMPARISON**

Grain	Year	Pennsylvania			United States		
		On Farms	Off Farms <sup>1</sup>	Total All Positions	On Farms	Off Farms <sup>1</sup>	Total All Positions
		(000) Bushel					
Corn .....	2009	76,000	9,878	85,878	7,405,000	3,497,460	10,902,460
	2010	67,000	8,843	75,843	6,302,000	3,737,877	10,039,877
Wheat.....	2009	<sup>2</sup>	7,570	<sup>2</sup>	558,800	1,222,891	1,781,691
	2010	<sup>2</sup>	6,444	<sup>2</sup>	550,000	1,377,755	1,927,755
Soybeans .....	2009	<sup>2</sup>	3,730	<sup>2</sup>	1,229,500	1,109,050	2,338,550
	2010	<sup>2</sup>	4,020	<sup>2</sup>	1,091,000	1,185,860	2,276,860
Barley .....	2009	<sup>2</sup>	703	<sup>2</sup>	114,630	91,759	206,389
	2010	<sup>2</sup>	529	<sup>2</sup>	91,660	89,460	181,120
Oats.....	2009	2,600	624	3,224	43,000	67,629	110,629
	2010	2,700	589	3,289	34,100	66,976	101,076

<sup>1</sup> Includes stocks at mills, elevators, warehouses, terminals and processors. <sup>2</sup> Included in U.S. totals.

SOURCE: **Grain Stocks**, 8:30 a.m., January 12, 2011, National Agricultural Statistics Service, USDA; available at [www.nass.usda.gov](http://www.nass.usda.gov).

## GRAIN STOCKS

### **Pennsylvania Grain Stocks:**

Pennsylvania's **corn** stored in all positions on December 1, 2010 was 75.8 million bushels, down 12 percent from last year's level of 85.9 million bushels. On-farm corn stocks amounted to 67 million bushels down 12 percent from last year. Off-farm stocks were 8.84 million bushels, down 10 percent from last year.

**Wheat** stored off farms totaled 6.4 million bushels, down from last year's total of 7.6 million bushels. **Soybeans** stored off farms totaled 4.0 million bushels up 8 percent. **Barley** stored off farms was 529 thousand bushels, down 25 percent. **Oats** stored in all positions were 3.3 million bushels, 2.7 million on farm and 589 thousand off farm, up 2 percent, 4 percent, and down 6 percent respectively.

Pennsylvania's stocks of corn and oats are the only two commodities published on an on-farm level; all other commodities are included in an unallocated national total.

### **U.S. Grain Stocks:**

Nationally, **corn** stocks in all positions on December 1, 2010 totaled 10.0 billion bushels, down 8 percent from December 1, 2009. Of the total stocks, 6.30 billion bushels are stored on farms, down 15 percent

from a year earlier. Off-farm stocks, at 3.74 billion bushels, are up 7 percent from a year ago. The September - November 2010 indicated disappearance is 4.11 billion bushels, compared with 3.86 billion bushels during the same period last year.

**Soybeans** stored in all positions on December 1, 2010 totaled 2.28 billion bushels, down 3 percent from December 1, 2009. Soybean stocks stored on farms totaled 1.09 billion bushels, down 11 percent from a year ago. Off-farm stocks, at 1.19 billion bushels, are up 7 percent from last December. Indicated disappearance for September - November 2010 totaled 1.20 billion bushels, up 4 percent from the same period a year earlier.

All **wheat** stored in all positions on December 1, 2010 totaled 1.93 billion bushels, up 8 percent from a year ago. On-farm stocks are estimated at 550 million bushels, down 2 percent from last December. Off-farm stocks, at 1.38 billion bushels, are up 13 percent from a year ago. The September - November 2010 indicated disappearance is 522 million bushels, up 22 percent from the same period a year earlier.

SOURCE: **Grain Stocks**, 8:30 a.m., January 12, 2011, National Agricultural Statistics Service, USDA; available at [www.nass.usda.gov](http://www.nass.usda.gov).

## **TILLAGE PRACTICES WITH UPDATED ALFALFA SEEDINGS**

The 2010 survey of tillage practices for major field crops in the Commonwealth. Acres seeded to alfalfa were published on January 12, 2011 in the *Crop Production Annual Summary*. The survey is funded by the Pennsylvania Department of Agriculture and conducted in conjunction with NASS's annual June Agricultural Survey.

In 2010, conventional tillage was used on 22.5% of the major crop acreage in Pennsylvania, up slightly from the 22.2% recorded in 2009. No-till was practiced on 54.4 % of the major crop acreage, and other conservation tillage practices were used on the remaining 23.1%. Corn and soybeans are the two crops with the highest acreages.

Conventional till was used on 22.2% of the corn acreage, no-till was practiced on 54.4 % of the acreage, and the remaining 23.3% of the corn acreage used other conservation tillage practices. In soybeans, conventional till was used on 14.9% of the acreage, no-till was practiced on 63.8% of the acreage, and the remaining 21.3% of the acreage was cultivated using other conservation tillage practices. Winter Wheat showed the biggest change, with no-till decreasing from 55.3% of the total acres planted to 41.2 % of the acres planted; however, oats showed a 9.1% increase in percent planted using no-till practices.

<b>Pennsylvania: Tillage Practices by Crop, 2010</b>							
Crop	Total Acres Planted	No-Till <sup>1</sup>		Other Conservation Tillage <sup>2</sup>		Conventional Till <sup>3</sup>	
		Acres	% of Total <sup>4</sup>	Acres	% of Total <sup>4</sup>	Acres	% of Total <sup>4</sup>
Corn	1,350,000	735,000	54.4	315,000	23.3	300,000	22.2
Soybeans	470,000	300,000	63.8	100,000	21.3	70,000	14.9
Barley	60,000	34,000	56.7	14,000	23.3	12,000	20.0
Winter Wheat <sup>5</sup>	170,000	70,000	41.2	45,000	26.5	55,000	32.4
Oats	110,000	35,000	31.8	25,000	22.7	50,000	45.5
<b>Total <sup>6</sup></b>	<b>2,160,000</b>	<b>1,174,000</b>	<b>54.4</b>	<b>499,000</b>	<b>23.1</b>	<b>487,000</b>	<b>22.5</b>
Alfalfa Seedings <sup>7</sup>	95,000	35,000	36.8	26,000	27.4	34,000	35.8
<b>Grand Total <sup>8</sup></b>	<b>2,255,000</b>	<b>1,209,000</b>	<b>53.6</b>	<b>525,000</b>	<b>23.3</b>	<b>521,000</b>	<b>23.1</b>

<sup>1</sup> No-Till – A procedure whereby a crop is planted directly into a seedbed not tilled since harvest of a previous crop, or the planting of a crop into sod, previous crop stubble, or a cover where only the intermediate seed zone is disturbed. <sup>2</sup> Other Conservation Tillage – Tillage practices prior to planting which result in a minimum of 30 percent ground cover or residue being retained on the surface following planting. Grass and weed control is accomplished primarily with herbicides. Includes ridge till, strip till, and mulch till. <sup>3</sup> Conventional Till – Systems where 100 percent of the surface is mixed or inverted by plowing, power tilling, or multiple disking. <sup>4</sup> Sum of no-till, other conservation tillage and conventional till percents of total may not add to 100 percent due to rounding. <sup>5</sup> Wheat seeded the previous fall for all intended purposes including grain, cover, silage, hay or any other utilization. <sup>6</sup> Total excludes alfalfa seedings. <sup>7</sup> New alfalfa seeded or to be seeded during 2010. <sup>8</sup> Includes alfalfa seedings published January 12, 2011.

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